Abstract of the Invention

A system and method is provided for facilitating and implementing an efficient mechanism for doing an interface dispatch. The system and method retrieves source code and performs a pre-execution or preparation stage prior to execution of the source code. During the pre-execution stage memory is allocated for class types, class method tables are formed and interface virtual tables are formed. A block of memory is also allocated for an interface map in the form of a vector having a plurality of slots. The system and method packs the interface map with references to the interface virtual table locations utilizing a comb-vector technique.

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